

What is claimed is:

1. An image processing apparatus comprising:
an input device that inputs image signals for a
5 plurality of channels;
a storage device that stores a plurality of kinds of
procedures for processing to be performed on the image
signals;
an operating element that specifies at least two
10 kinds of procedures among the plurality of kinds of
procedures stored in said storage device, and enables the
specified procedures and at least one procedure between
the specified procedures to be arbitrarily changed and
specified; and
15 a processing device operable when the procedure
between the specified procedures is specified using said
operating element, to generate the specified procedure by
interpolating the specified procedures, and carry out
real-time processing on at least one image signal for at
20 least one corresponding channel among the image signals
for the plurality of channels input by said input device
according to the generated specified procedure.
2. An image processing apparatus according to claim
1, further comprising an output device that outputs an
25 image signal, and wherein said processing device outputs
the image signal, subjected to the real-time processing,
in real time via said output device.
3. An image processing apparatus according to claim
1, wherein the procedures each comprise designating size
30 and position of an image to be displayed in accordance
with an image signal for a corresponding channel.
4. An image processing apparatus according to claim
1, wherein said operating element is capable of
sequentially changing and specifying the specified
35 procedures and the procedure between the specified

procedures.

5. An image processing method comprising the steps of:

storing a plurality of kinds of procedures for
5 processing to be performed on image signals;
when an operating element that specifies at least two
kinds of procedures among the stored plurality of kinds of
procedures, and enables the specified procedures and at
least one procedure between the specified procedures to be
10 arbitrarily changed and specified specifies the procedure
between the specified procedures, generating the specified
procedure by interpolating the specified procedures, and
carrying out real-time processing on at least one image
signal for at least one corresponding channel among the
15 image signals for the plurality of channels input by an
input device according to the generated specified
procedure.

6. A program for causing a computer to execute an
image processing method comprising the steps of:

20 storing a plurality of kinds of procedures for
processing to be performed on image signals;
when an operating element that specifies at least two
kinds of procedures among the stored plurality of kinds of
procedures, and enables the specified procedures and at
25 least one procedure between the specified procedures to be
arbitrarily changed and specified specifies the procedure
between the specified procedures, generating the specified
procedure by interpolating the specified procedures, and
carrying out real-time processing on at least one image
30 signal for at least one corresponding channel among the
image signals for the plurality of channels input by an
input device according to the generated specified
procedure.